

Tuesday, March 18, 1997
POSTER SESSION I
6:30 p.m. LPI

MARS

Treiman A. H.

Water in the Martian Crust: Slope-Parallel Layers in the Wall of Melas Chasma are Hesperian-age Soil Horizons

Grant J. A.

Geologic Mapping and Drainage Basin Analysis in Margaritifer Sinus, Mars

Mest S. C. Crown D. A.

Geologic Mapping of the Reull Vallis Region, Mars

Kuzmin R. O. Greeley R. Landheim R. Cabrol N.

Geologic Mapping of Gusev Crater-Ma'adim Vallis Region, Mars

Grin E. A. Cabrol N. A.

Antarctic Analog for a Perennial Ice-Covered Paleolake in Gusev Crater (Mars)

Costard F. Aguirre-Puente J. Makhoul N. Greeley R.

Martian Fluvial-Thermal Erosion : Experimental Control of the Model

Mangold N. Allemand P. Thomas P. Duval P.

Shallow Icy Decollements on Mars: Rheological Evidences—Preliminary Results

Tanaka K. L.

Geologic Mapping of Sedimentary Materials in the Northern Plains of Mars

Stewart K. H. Crown D. A.

Geomorphology of Debris Aprons in the Eastern Hellas Region of Mars

Wilson G. R. Greeley R. White B. R.

Experiments of Dust Threshold and Flux Under Martian Conditions

Edgett K. S.

Aeolian Dune Fields Among Volcanic Landforms in a Hyper-Arid, Desert Environment: Evidence of Past Explosive Volcanism in the Tharsis Region, Mars

Boyce J. M. Roddy D. J.

Martian Crater Ejecta: Emplacement and Implications for Water in the Subsurface

Lias J. H. Dohm J. M. Tanaka K. L.

Geologic History of Lowell Impact

Albin E. F.

Geology of the Cassini Impact Basin, Mars

Crumpler L. S.

Syrtis Major-Isidis Planitia Transition, Mars: Preliminary Evaluation of a Potential Mars Surveyor Program Landing Site

- Crumpler L. S.
Geotraverse Across the Xanthe Terra-Chryse Planitia Transition Zone, Mars
- Parker T. J. Smith P.
Horizon Viewing of Local Topographic Features from the Mars Pathfinder Landing Site
- Anderson R. C. Parker T. J.
Pancake-like Shields in the Pathfinder Landing Site, Mars
- Zimbelman J. R. Crown D. A. Grant J. A. Hooper D. M.
The Medusae Fossae Formation, Amazonis Planitia, Mars: Evaluation of Proposed Hypotheses of Origin
- Scott E. D. Wilson L.
An Ancient Volcano in Tharsis Province
- Wilson L. Head J. W.
Factors Controlling the Depths and Sizes of Magma Reservoirs in Martian Volcanoes.
- Hood L. L. Hartdegen K.
A Crustal Magnetization Model for the Magnetic Field of Mars: A Preliminary Study of the Tharsis Region
- Ridley W. I. Plumlee G. S.
On Martian Alteration as a Function of Climate and Volcanism
- Bérczi Sz. Lukács B.
Water-Ammonia Ice Meteorites and/or Ammonia(um)-Silicates from the Early Solar System: Possible Sources of Amino-Radicals of Life-Molecules on Earth and Mars?
- Stoker C. R. Bullock M. A.
Organic Degradation Under Simulated Martian Conditions
- Mancinelli R. L. White M. R. Banin A.
The Search for N on Mars: Mineralogical Analysis of Ammonium in Clays by DTA/GC
- Kirkland L. E. Treiman A. H. Murchie S.
Photometry of Bright Regions on Mars: ISM Results
- Israel E. J. Arvidson R. E. Wang A. Pasteris J. D. Jolliff B. L.
Laser Raman Spectroscopic Measurements of a Desert-Varnished Basalt and Implications for In-Situ Analysis of Martian Rocks
- Hamilton V. E. Christensen P. R.
Interpreting the Origins and Evolutions of Martian Basalts from Pyroxene Composition: II. Vibrational Spectroscopy of Clinopyroxenes and Terrestrial Basaltic Rocks
- Griffith L. L. Shock E. L.
Orthopyroxenite Hydrothermal Alteration Pathways: Low vs. High Temperature
- Newsom H. E.
Trace Element Composition of the Martian Soil: Possible Components
- Allen C. C. Morris R. V. Lindstrom D. J. Lindstrom M. M. Lockwood J. P.
JSC Mars-1: Martian Regolith Simulant

Johnson J. R. Lucey P. G. Horton K. A. Winter E. M.

Comparison of Fine-Particle Coating and Porosity Effects on Infrared Spectroscopy of Soils in the Field and Laboratory

Forney P. B. Kirkland L. E.

Calibration of the Mariner 6/7 Infrared Spectrometers

Bell J. F. III Clancy R. T. James P. B. Lee S. W. Martin L. J. Wolff M. J.

Hubble Space Telescope Observations of Mars During 1996–1997

Erard S.

Mars' 1995 Opposition from Pic Du Midi

Armand N. A. Zharkov V. N. Kozenko A. V. Tishchenko Yu. G. Shmalenyuk A. S.

Radiowave Active-passive Approach for Investigation of the Heat Flux from the Martian Subsurface Layers

Lee E. M. Edwards K. E. Grecu A. Redding B. Wasserman A. Bennett A.

Mars 1:500K High-Resolution Map Bases

Arsenault J. M.

Analysis of Acheron Fossae Terrain Using Geographical Information Systems

Dohm J. M. Tanaka K. L. Hare T. M.

Tharsis-Centered and Other Fault Activity in the Thaumasia Region, Mars, Based on Detailed Mapping and GIS Analysis

Hauber E. Giese B. Cook A. C.

Digital Elevation Models of the Western Valles Marineris, Mars

Slavney S. Arvidson R. E. Eliason E. M. Duxbury E. Lavoie S. K.

The International Mars Data Base

Eliason E. M. Garcia P. Larsen D. R.

The Planetary Data System Mars Explorer

Gaddis L. Anderson J. Becker K. Becker T. Cook D. Edwards K. Eliason E. Hare T. Kieffer H.

Lee E. M. Mathews J. Soderblom L. Sucharski T. Torson J. McEwen A. Robinson M.

An Overview of the Integrated Software for Imaging Spectrometers (ISIS)

Eliason E. M.

Production of Digital Image Models Using the ISIS System

Torson J. M. Becker K. J.

ISIS—A Software Architecture for Processing Planetary Images